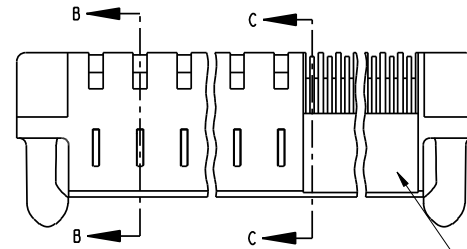


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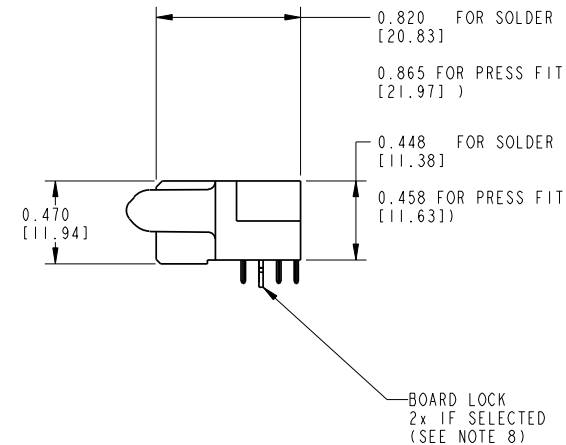
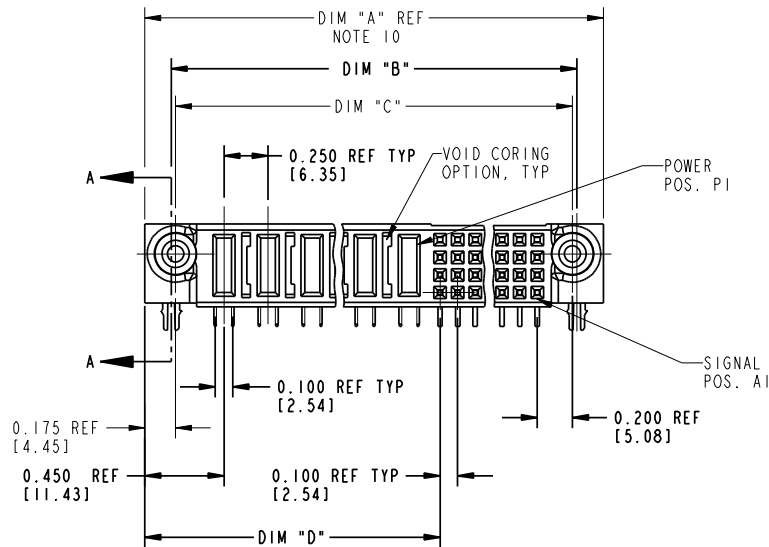


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PRODUCT NUMBER
51761- A00CCDDEF..
NOTE ①
SEE NOTE 1



SEE NOTE 9



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mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER COPY		 www.fciconnect.com			
lrr	ecn no.	dr	date	linear	.XX±.01/.X±.3	projection 		title RIGHT ANGLE RECEPTACLE w/GUIDE PIN SIGNAL/ POWER	product family PWRBLADE	size dwg no 51761	code 213 SHEET 1 OF 3
K	DG07-0059	RYAN	02/12/07		.XXX±.005/.XX±.13						
L	DG07-0061	JULIA	02/14/07	.XXXX±.0020/.XXX±.051							
M	DG08-0239	JC	09/11/08	0°±2°							
N	DG09-0128	JW	04/23/09	angles		INCH / MM →	scale 1:1				
P	DG11-0074	HZ	03/14/11	enr	D.BOGLE 05-18-99						
				chr	J. BROWN 05-18-99						
				appd	J. BROWN 05-18-99						
sheet index	revision sheet	P	P	P							
		1	2	3							

form no. 7530-001-103

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PRODUCT NUMBER
51761-A00CCDDEF-- NOTE ①
SEE NOTE 1

1	2									3	4
DIM		LENGTH FORMULAS (SEE NOTE 10)									
DIM "A"		.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .650 [16.51] (NOTE 10)									
DIM "B"		.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .350 [8.89]									
DIM "C"		.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .300 [7.62]									
DIM "D"		.250 [6.35] x DD + .375 [9.53] Δ									
DIM "F"		.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .680 [17.27]									
DIM "G"		.250 [6.35] x DD + .225 [5.72]									

CONNECTOR NOTES

- ① PRODUCT NUMBER CODE:
51761 - A 00 CCC DD E F LF
- NO THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE
ADD THIS SUFFIX: 78u"/2.00um Sn ON PCB INTERFACE
RETENTION TO PCB (NOTE 8)
TAIL OPTIONS (NOTE 7)
NUMBER OF LEFT END POWER CONTACTS (NOTE 6)
NUMBER OF SIGNAL CONTACTS (NOTE 5)
ALWAYS '00' (ZERO, ZERO) (NOTE 4)
PLATING (NOTE 3)
BASE NUMBER

- ② HOUSING MATERIAL: GLASS FILLED V-O HIGH TEMP THERMO PLASTIC.
SIGNAL CONTACT MATERIAL: COPPER ALLOY
POWER CONTACT MATERIAL: COPPER ALLOY
- ③ PLATING OPTION:
SEE PRINT 10064183 FOR PLATING SPEC OF 51761-100CCDDEF; 51761-100CCDDEFLF
- ④ THIS PART IS NOT AVAILABLE WITH RIGHT SIDE POWER CONTACTS.
- ⑤ SIGNAL CONTACTS, 004 TO 148 AVAILABLE FOR SOLDER TO BOARD.
012 TO 148 AVAILABLE FOR PRESS FIT TO BOARD.
- ⑥ LEFT END POWER CONTACTS, 01 TO 20 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR
- ⑦ TAIL OPTIONS:
A = .135 ±.010 [3.43 ±0.25] SOLDER TO BOARD
B = .090 ±.005 / -.010 [2.29 ±0.13 / -0.25] SOLDER TO BOARD
C = .154 ±.010 [3.91 ±0.25] PRESS FIT TO BOARD

- ⑧ RETENTION TO PCB OPTIONS:
A = BOARD LOCK (REQUIRES .098 ±.002/-0.001 [2.49 ±0.05/-0.03] THRU HOLE IN PCB
MOUNTING FOOT HEIGHT: .220 [5.59]
B = .150 [3.81] THRU HOLE (REQUIRES .158 ±0.003 [4.01 ±0.08] THRU HOLE IN PCB).
MOUNTING FOOT HEIGHT: .160 [4.06]
- ⑨ MANUFACTURE'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.
10. THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 8.00 [203.2]
11. PRODUCT SPECIFICATION GS-12-149
12. APPLICATION SPECIFICATION BUS-20-067.
13. FOR PRESS FIT CONNECTORS USE FCI CAM TOOL 430140-XXX TO APPLY CONNECTOR TO IPCB.

PCB NOTES:

14. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
15. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF .004 [0.10]
16. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
17. $\varnothing$ 0.0453 +/- .001 [1.151 ±0.02] DRILLED HOLES PLATED WITH 0.0003 [0.007] MIN SnPb OR Sn OVER 0.001 [0.03] TO .003 [0.08] Cu PLATING TO ACHIEVE A .040 ±.003 [1.02 ±0.08] HOLE.
18. A Δ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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lfr	ecn no.	dr	date	linear	.XX±.01/.X±.3		projection 	title RIGHT ANGLE RECEPTACLE w/GUIDE PIN SIGNAL / POWER	product family size	family dwg no	PWRBLADE	code 213	
P					.XXX±.005/.XX±.13								
					.XXX±.0020/.XXX±.051								
				angles	0°±2°		INCH / MM scale 1:1		A	51761		SHEET 2 OF 3	
				dr	DB08LE	05-18-99							
				enrg	J. BROWN	05-18-99							
				chr	J. BROWN	05-18-99							
				appd	J. BROWN	05-18-99							
sheet index		revision sheet											

form no. 7530-001-103

1 2

3

cage code 22526

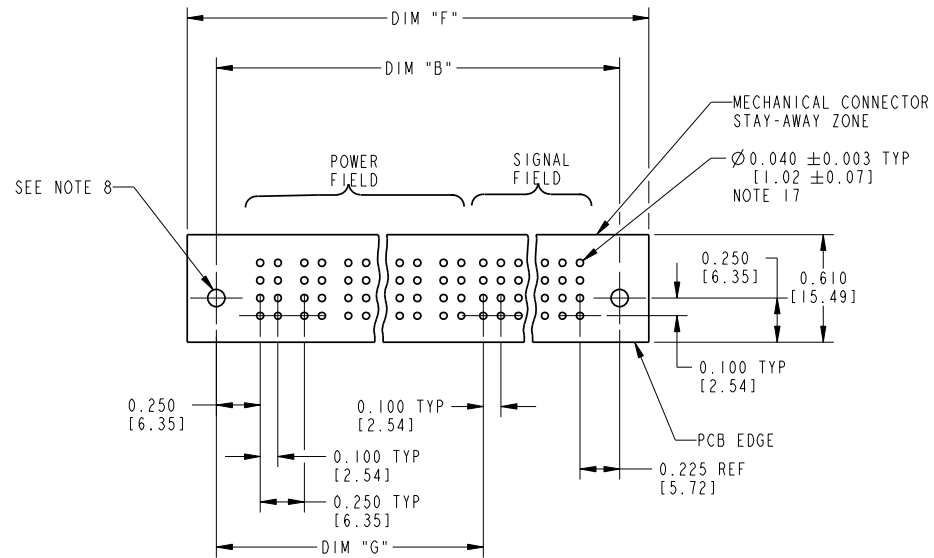
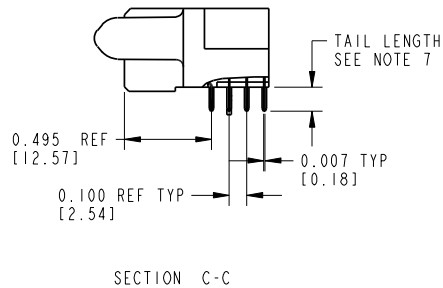
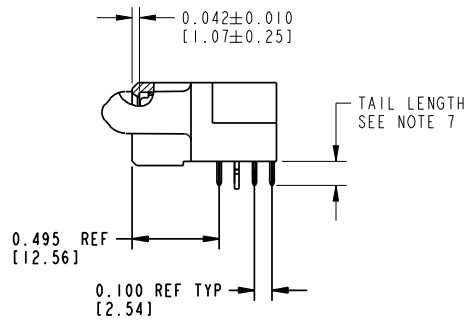
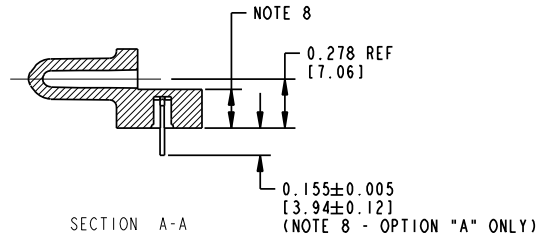
4

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PRODUCT NUMBER
51761 - A00CCCDDEF--
NOTE ①



mat'l code				tolerances unless otherwise specified		CUSTOMER COPY		FCI		www.fciconnect.com	
lfr	ecn no.	dr	date	linear	.XX±.01/.X±.3	projection		title	RIGHT ANGLE RECEPTACLE w/GUIDE PIN	product family	PWRBLADE
P					.XXX±.005/.XX±.13			signal / power		size	213
				angles	.XXX±.0020/.XX±.051					dwg no	51761
				dr	0°±2°	INCH / MM					SHEET 3 OF 3
				enr	J. BROWN 05-18-99	scale	1:1				
				chr	J. BROWN 05-18-99						
				appd	J. BROWN 05-18-99						
sheet index	revision sheet										

form no. 7530-001-103

cage code 22526

Mouser Electronics

Authorized Distributor

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FCI:

<u>51761-10002006AA</u>	<u>51761-10002408ABLF</u>	<u>51761-10002412ABLF</u>	<u>51761-10000802AALF</u>	<u>51761-10001204ABLF</u>
<u>51761-10001605AALF</u>	<u>51761-10002002BALF</u>	<u>51761-10002002BBLF</u>	<u>51761-10002002CBLF</u>	<u>51761-10002004AA</u>
<u>51761-10002004AALF</u>	<u>51761-10002402AALF</u>	<u>51761-10002402ABLF</u>	<u>51761-10002407AB</u>	<u>51761-10002407ABLF</u>
<u>51761-10002410CBLF</u>	<u>51761-10002416AALF</u>	<u>51761-10002812AA</u>	<u>51761-10003206ABLF</u>	<u>51761-10003605AALF</u>
<u>51761-10002416CBLF</u>	<u>51761-10013602AALF</u>	<u>51761-10003211AALF</u>	<u>51761-10003204AALF</u>	<u>51761-10001616AALF</u>
<u>51761-10001204CALF</u>	<u>51761-10002420ABLF</u>	<u>51761-10006411CBLF</u>	<u>51761-10001202CBLF</u>	<u>51761-10001602AALF</u>
<u>51761-10002412CALF</u>	<u>51761-10002407AALF</u>	<u>51761-10002808ABLF</u>	<u>51761-10002406CALF</u>	<u>51761-10001204CBLF</u>
<u>51761-10001206CALF</u>				